

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/526,151

Source: PST

Date Processed by STIC: 3-9-05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/526,151

TIME: 15:19:08

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\03092005\J526151.raw

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4 <110> APPLICANT: ASHMAN, Claire
5     ELLIS, Jonathan Henry
7 <120> TITLE OF INVENTION: VACCINE COMPRISING IL-13 AND AN ADJUVANT
10 <130> FILE REFERENCE: PG4939A
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/526,151
13 <141> CURRENT FILING DATE: 2005-02-28
15 <150> PRIOR APPLICATION NUMBER: PCT/GB03/003721
16 <151> PRIOR FILING DATE: 2003-08-28
18 <150> PRIOR APPLICATION NUMBER: GB 0304672.9
19 <151> PRIOR FILING DATE: 2003-02-28
21 <150> PRIOR APPLICATION NUMBER: GB 0220211.7
22 <151> PRIOR FILING DATE: 2002-08-30
24 <160> NUMBER OF SEQ ID NOS: 68
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 112
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo Sapien IL-13
33 <400> SEQUENCE: 1
34 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu Ile Glu Glu Leu
35 1          5          10          15
36 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
37          20          25          30
38 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu
39          35          40          45
40 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
41          50          55          60
42 Met Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
43 65          70          75          80
44 Ser Leu His Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
45          85          90          95
46 Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
47          100         105         110
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 111
52 <212> TYPE: PRT
53 <213> ORGANISM: Murine IL-13
55 <400> SEQUENCE: 2
56 Gly Pro Val Pro Arg Ser Val Ser Leu Pro Leu Thr Leu Lys Glu Leu
57 1          5          10          15
58 Ile Glu Glu Leu Ser Asn Ile Thr Gln Asp Gln Thr Pro Leu Cys Asn
59          20          25          30
60 Gly Ser Met Val Trp Ser Val Asp Leu Ala Ala Gly Gly Phe Cys Val

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61          35          40          45
62 Ala Leu Asp Ser Leu Thr Asn Ile Ser Asn Cys Asn Ala Ile Tyr Arg
63          50          55          60
64 Thr Gln Arg Ile Leu His Gly Leu Cys Asn Arg Lys Ala Pro Thr Thr
65 65          70          75          80
66 Val Ser Ser Leu Pro Asp Thr Lys Ile Glu Val Ala His Phe Ile Thr
67          85          90          95
68 Lys Leu Leu Ser Tyr Thr Lys Gln Leu Phe Arg His Gly Pro Phe
69          100          105          110
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 111
74 <212> TYPE: PRT
75 <213> ORGANISM: Porcine IL-13
77 <400> SEQUENCE: 3
78 Gly Pro Val Pro Pro His Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu
79 1          5          10          15
80 Leu Val Asn Ile Thr Gln Asn Gln Lys Thr Pro Leu Cys Asn Gly Ser
81          20          25          30
82 Met Val Trp Ser Val Asn Leu Thr Thr Ser Met Gln Tyr Cys Ala Ala
83          35          40          45
84 Leu Glu Ser Leu Ile Asn Ile Ser Asp Cys Ser Ala Ile Gln Lys Thr
85          50          55          60
86 Gln Arg Met Leu Ser Ala Leu Cys Ser His Lys Pro Pro Ser Glu Gln
87 65          70          75          80
88 Val Pro Gly Lys His Ile Arg Asp Thr Lys Ile Glu Val Ala Gln Phe
89          85          90          95
90 Val Lys Asp Leu Leu Lys His Leu Arg Met Ile Phe Arg His Gly
91          100          105          110
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 112
96 <212> TYPE: PRT
97 <213> ORGANISM: Bovine IL-13
99 <400> SEQUENCE: 4
100 Ser Pro Val Pro Ser Ala Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
101 1          5          10          15
102 Val Asn Ile Thr Gln Asn Gln Lys Val Pro Leu Cys Asn Gly Ser Met
103          20          25          30
104 Val Trp Ser Leu Asn Leu Thr Ser Met Tyr Cys Ala Ala Leu Asp
105          35          40          45
106 Ser Leu Ile Ser Ile Ser Asn Cys Ser Val Ile Gln Arg Thr Lys Lys
107          50          55          60
108 Met Leu Asn Ala Leu Cys Pro His Lys Pro Ser Ala Lys Gln Val Ser
109 65          70          75          80
110 Ser Glu Tyr Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Leu Lys
111          85          90          95
112 Asp Leu Leu Arg His Ser Arg Ile Val Phe Arg Asn Glu Arg Phe Asn
113          100          105          110
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 111

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118 <212> TYPE: PRT
119 <213> ORGANISM: Canine IL-13
121 <400> SEQUENCE: 5
122 Ser Pro Val Thr Pro Ser Pro Thr Leu Lys Glu Leu Ile Glu Glu Leu
123 1 5 10 15
124 Val Asn Ile Thr Gln Asn Gln Ala Ser Leu Cys Asn Gly Ser Met Val
125 20 25 30
126 Trp Ser Val Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu Ser
127 35 40 45
128 Leu Ile Asn Val Ser Asp Cys Ser Ala Ile Gln Arg Thr Gln Arg Met
129 50 55 60
130 Leu Lys Ala Leu Cys Ser Gln Lys Pro Ala Ala Gly Gln Ile Ser Ser
131 65 70 75 80
132 Glu Arg Ser Arg Asp Thr Lys Ile Glu Val Ile Gln Leu Val Lys Asn
133 85 90 95
134 Leu Leu Thr Tyr Val Arg Gly Val Tyr Arg His Gly Asn Phe Arg
135 100 105 110
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 111
140 <212> TYPE: PRT
141 <213> ORGANISM: Rat IL-13
143 <400> SEQUENCE: 6
144 Gly Pro Val Arg Arg Ser Thr Ser Pro Pro Val Ala Leu Arg Glu Leu
145 1 5 10 15
146 Ile Glu Glu Leu Ser Asn Ile Thr Gln Asp Gln Lys Thr Ser Leu Cys
147 20 25 30
148 Asn Ser Ser Met Val Trp Ser Val Asp Leu Thr Ala Gly Gly Phe Cys
149 35 40 45
150 Ala Ala Leu Glu Ser Leu Thr Asn Ile Ser Ser Cys Asn Ala Ile His
151 50 55 60
152 Arg Thr Gln Arg Ile Leu Asn Gly Leu Cys Asn Gln Lys Ala Ser Asp
153 65 70 75 80
154 Val Ala Ser Ser Pro Pro Asp Thr Lys Ile Glu Val Ala Gln Phe Ile
155 85 90 95
156 Ser Lys Leu Leu Asn Tyr Ser Lys Gln Leu Phe Arg Tyr Gly His
157 100 105 110
160 <210> SEQ ID NO: 7
161 <211> LENGTH: 111
162 <212> TYPE: PRT
163 <213> ORGANISM: Cynomolgus IL-13
165 <400> SEQUENCE: 7
166 Ser Pro Val Pro Pro Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
167 1 5 10 15
168 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
169 20 25 30
170 Val Trp Ser Ile Asn Leu Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
171 35 40 45
172 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
173 50 55 60.

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174 Met Leu Asn Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
175 65                               70                               75                               80
176 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
177                               85                               90                               95
178 Asp Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Gln Phe Asn
179                               100                              105                              110
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 112
184 <212> TYPE: PRT
185 <213> ORGANISM: Rhesus IL-13
187 <400> SEQUENCE: 8
188 Ser Pro Val Pro Arg Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
189 1                               5                               10                               15
190 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
191                               20                               25                               30
192 Val Trp Ser Ile Asn Leu Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
193                               35                               40                               45
194 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
195                               50                               55                               60
196 Met Leu Asn Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
197 65                               70                               75                               80
198 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
199                               85                               90                               95
200 Asp Leu Leu Val His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
201                               100                              105                              110
204 <210> SEQ ID NO: 9
205 <211> LENGTH: 112
206 <212> TYPE: PRT
207 <213> ORGANISM: Marmoset IL-13
209 <400> SEQUENCE: 9
210 Gly Pro Val Pro Pro Tyr Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
211 1                               5                               10                               15
212 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
213                               20                               25                               30
214 Val Trp Ser Ile Asn Met Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
215                               35                               40                               45
216 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
217                               50                               55                               60
218 Met Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
219 65                               70                               75                               80
220 Ser Leu Leu Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
221                               85                               90                               95
222 Asp Leu Leu Arg His Leu Arg Lys Leu Phe His Gln Gly Thr Phe Asn
223                               100                              105                              110
226 <210> SEQ ID NO: 10
227 <211> LENGTH: 112
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:

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232 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13
234 <400> SEQUENCE: 10
235 Gly Pro Val Pro Pro Ser Ser Ala Leu Lys Glu Leu Ile Glu Glu Leu
236 1 5 10 15
237 Ala Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
238 20 25 30
239 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Asp
240 35 40 45
241 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Arg Thr Gln Arg
242 50 55 60
243 Ile Leu Ser Ala Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
244 65 70 75 80
245 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Thr
246 85 90 95
247 Asp Leu Leu Val His Leu Lys Arg Leu Phe Arg Gln Gly Thr Phe Asn
248 100 105 110
251 <210> SEQ ID NO: 11
252 <211> LENGTH: 121
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13
259 <400> SEQUENCE: 11
260 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu Ile Glu Glu Leu
261 1 5 10 15
262 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
263 20 25 30
264 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu
265 35 40 45
266 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
267 50 55 60
268 Met Leu Gly Gly Phe Cys Pro His Lys Phe Asn Asn Phe Thr Val Ser
269 65 70 75 80
270 Phe Trp Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Asp Thr
271 85 90 95
272 Lys Ile Glu Val Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys
273 100 105 110
274 Lys Leu Phe Arg Glu Gly Arg Phe Asn
275 115 120
278 <210> SEQ ID NO: 12
279 <211> LENGTH: 133
280 <212> TYPE: PRT
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13
286 <400> SEQUENCE: 12
287 Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
288 1 5 10 15
289 Ala Ser His Leu Glu Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu

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VERIFICATION SUMMARY

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Input Set : A:\seqlist.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number